Claim 1 (currently amended): A method for carrying out a ~~machining~~ finishing operation upon a an already manufactured workpiece using a machining tool controlled by a computer, said computer controlling said machining tool with a control program, said method comprising the steps of:

selecting the workpiece;

creating an inspection data file for said workpiece;

using said data file to create a virtual model of said workpiece with said control program;

selecting data points in said virtual model to identify the surfaces of said workpiece to be ~~machined~~ finished; and

~~machining~~ finishing said identified surfaces with said machining tool by controlling said machining tool with said control program.

Claim 4 (currently amended): A method for manufacturing a workpiece from a solid blank, said method comprising the steps of:

using a first computer program to create a first data set that identifies the contours of the workpiece;

using said first data set to set the operating parameters of a workpiece-shaping device;

cutting a prototype workpiece from said blank with said workpiece-shaping device;

using a second computer program to generate a second data set for the purpose of measuring and inspecting said prototype workpiece;

measuring and inspecting said prototype workpiece using a measuring and inspecting device operated by said second computer program;

using a third computer program to create a digital model of the contours of said workpiece;

selecting certain of said contours for finishing; and

using said third computer program and said model to operate a computer-controlled machining device to perform selected ~~machining~~ finishing operations on said selected ~~of said~~ contours.